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ABSTRACT

The invention relates to a sound-insulating material, especially for automobiles, in the form of a mat, a molding or a coating which is manufactured from rubber and PUR plastic, as well as a method for the manufacture of such a material. In order to lower the weight of the sound-insulating material with essentially unchanged or even improved noise damping effect, in accordance with the invention, it is provided that the rubber (12) and the PUR plastic (13) are mixed with each other, wherein the rubber forms a matrix, in which a plurality of gas-filled, elastic hollow bodies (14) are embedded.

The method for the manufacture of the sound-insulating material, in accordance with the invention, is essentially characterized in that thermoplastic rubber particles and PUR plastic particles are extruded together with a foaming agent into a foam-like mix material, wherein the foaming agent is added in the form of microhollow bodies containing foaming agent, which

microhollow bodies have a shell of polymer mix that expands by the action of heat. As rubber particles and PUR plastic particles, preferably recycled EPDM rubber or PUR foam pellets are used.

Figure 2 is provided for the Abstract.

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